

## **Providing Hope to the Underserved**

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## LIVING OUR MISSION

To truly make SCD a well-managed disease, we must continue to advance innovations in care and address long-standing gaps in health equity.



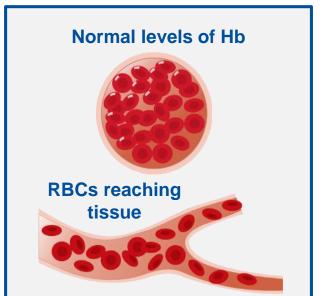
# SCD: A DEVASTATING DISEASE IMPACTING RED BLOOD CELL HEALTH

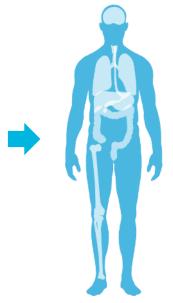


Normal RBC with oxygenated Hb

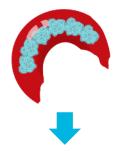


Normal oxygen content and delivery

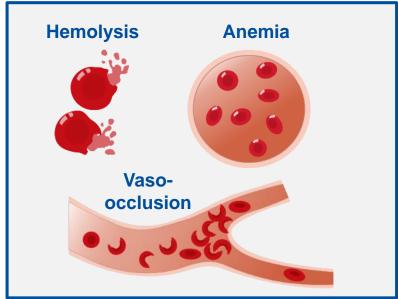


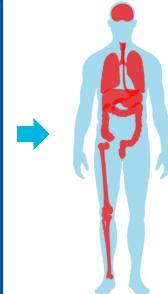


Sickle RBC with polymerization of deoxygenated Hb



Decreased oxygen content and impaired delivery



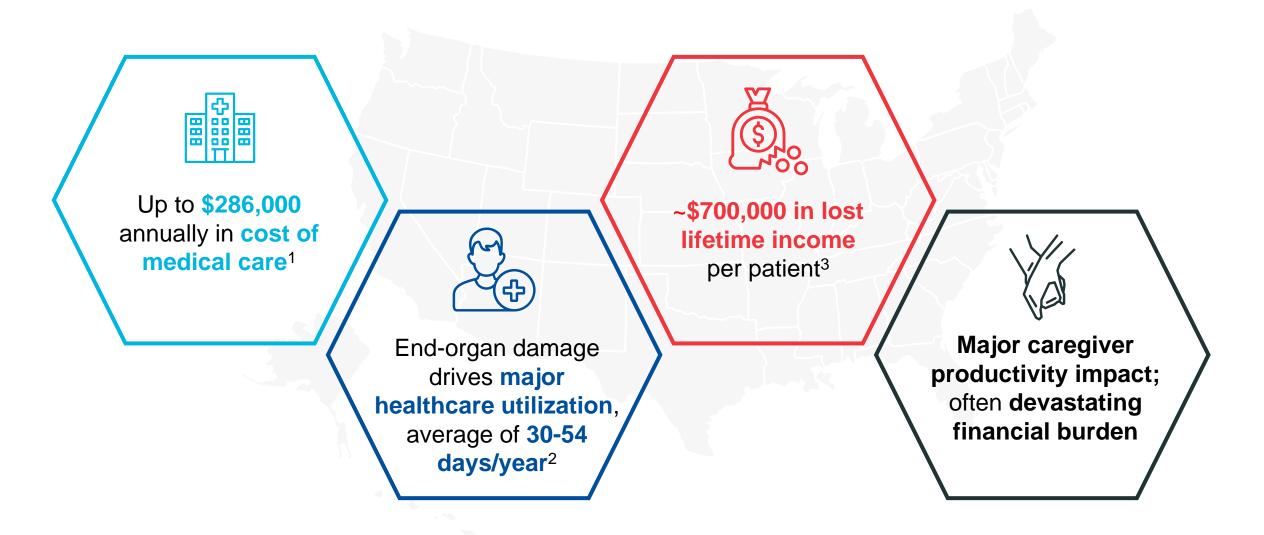


Hb = hemoglobin; HbS = sickle hemoglobin; RBC = red blood cell; SCD = sickle cell disease. Rees DC et al. *Lancet.* 2010;376:2018-2031.

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### **MAJOR BURDEN ON U.S. PATIENTS AND SOCIETY**





<sup>1.</sup> Song, X, et al. Economic Burden of End Organ Damage Among Patients with Sickle Cell Disease in the US. 2019 American Society of Hematology Annual Meeting. Poster #3388. 2. GBT Internal Data. 3. Lubeck, D. et al. Estimated Life Expectancy and Income of Patients With Sickle Cell Disease Compared With Those Without Sickle Cell Disease. JAMA Netw. Open. 2019 Nov 1;2(11):e1915374.

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### RACE AND DISEASE DISCRIMINATION IMPACT CARE



**Misconceptions** can lead to undertreatment<sup>1</sup>

- + HCPs have misconceptions that lead to undertreatment, including:
  - Fear that the patient is a drug abuser
  - Disbelief in the patient's pain severity
  - Reluctance to prescribe opioids

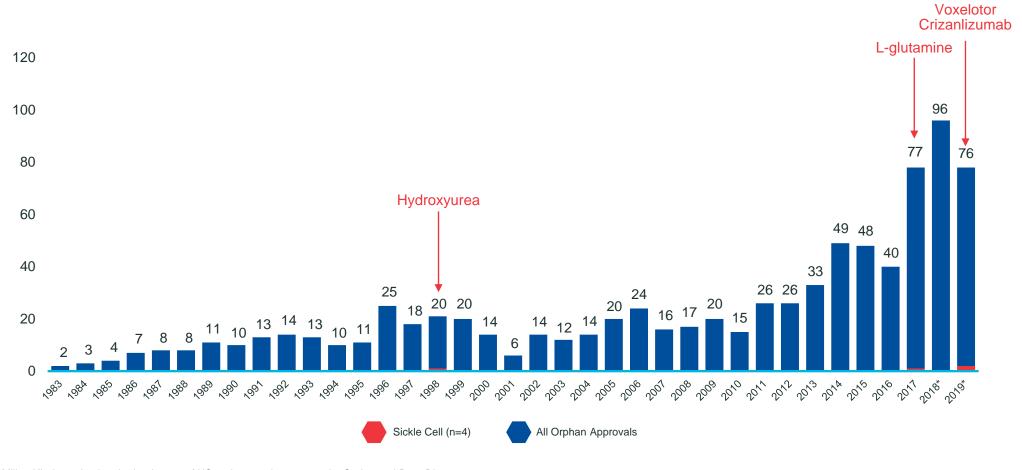
**Interactions** with the healthcare system can be challenging

- + ED healthcare providers harbor negative attitudes about patients with SCD<sup>2</sup>
- + SCD patients experienced longer ED wait times<sup>3</sup>
- + HCPs provide poor communication, demonstrating less respect and spending less time<sup>4</sup>





#### **Number of FDA Orphan Drug Approvals**

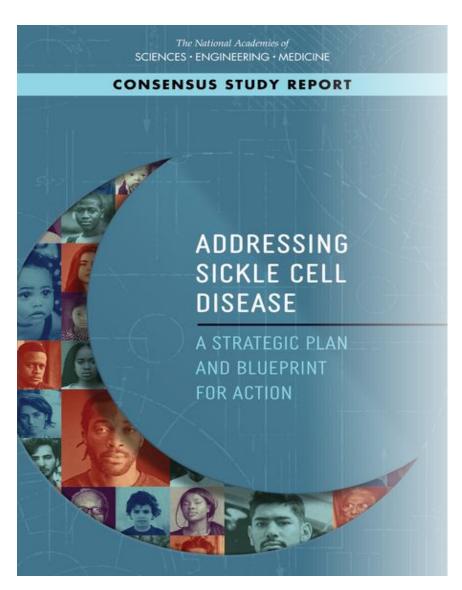


Adapted from Miller, KL. Investigating the landscape of US orphan product approvals. Orphanet J Rare Dis. 2018; 13: 183.

<sup>\*</sup>Food and Drug Administration (FDA). Search orphan drug designations and approvals. http://www.accessdata.fda.gov/scripts/opdlisting/oopd/index.cfm. Accessed October 2020.

## SCD MOMENTUM AT THE NATIONAL AND STATE LEVELS





Increased investment in innovative medicines

**Growing focus** on need to fill health equity gaps

**Policy initiatives** to improve SCD patient care

SCD now receives more attention, but more is needed to ensure lasting and impactful change.



## 10 YEARS OF INNOVATION & COMMITMENT TO THE FUTURE



First-in-class therapy

**Global expansion** underway

Robust pipeline of potential **SCD** therapies

**Commitment to** ending health inequality



### FIRST AND ONLY FDA APPROVED MEDICINE THAT DIRECTLY INTERFERES WITH RED BLOOD **CELL SICKLING**

#### INDICATION

What is OXBRYTA®?

OXBRYTA is a prescription medicine used for the treatment of sickle cell disease in adults and children 12 years of age and older.

It is not known if OXBRYTA is safe and effective in children below 12 years of age.

This indication is approved under accelerated approval based on increase in hemoglobin (Hb). Continued approval for this indication may be contingent upon verification and description of clinical benefit in confirmatory trial(s).

#### IMPORTANT SAFETY INFORMATION

Do not take OXBRYTA if you have had an allergic reaction to voxelotor or any of the ingredients in OXBRYTA. See the end of the patient leaflet for a list of the ingredients in OXBRYTA.

If you are receiving exchange transfusions, talk to your healthcare provider about possible difficulties with the interpretation of certain blood tests when taking OXBRYTA.

#### Before taking OXBRYTA, tell your healthcare provider about all of your medical conditions, including if you:

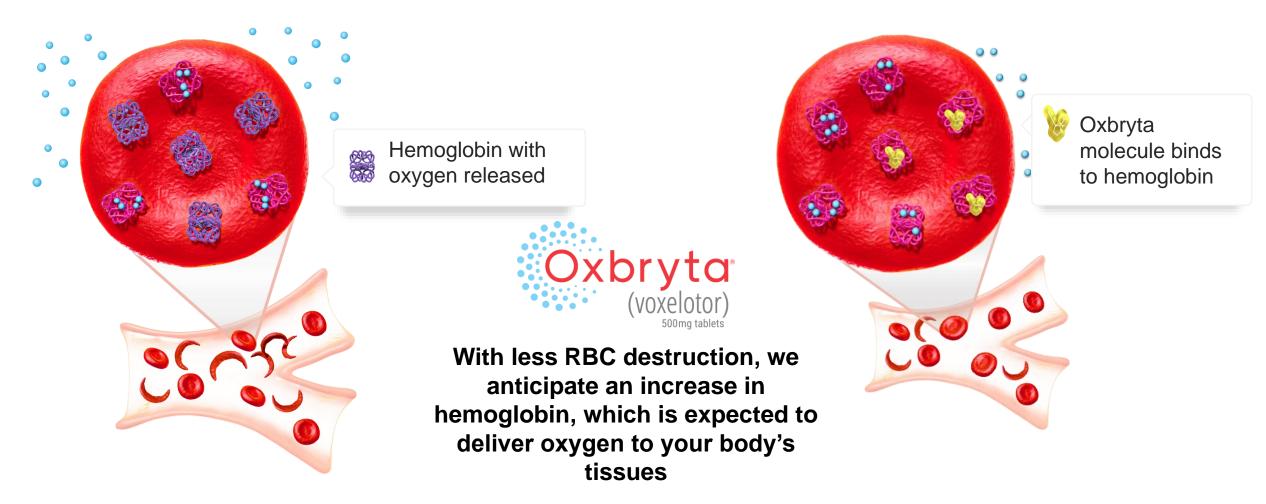
- + have liver problems
- are pregnant or plan to become pregnant. It is not known if OXBRYTA can harm your unborn baby
- + are breastfeeding or plan to breastfeed. It is not known if OXBRYTA can pass into your breastmilk and if it can harm your baby. Do not breastfeed during treatment with OXBRYTA and for at least 2 weeks after the last dose

Tell your healthcare provider about all the medicines you take, including prescription and over-the-counter medicines, vitamins, and herbal supplements. Some medicines may affect how OXBRYTA works. OXBRYTA may also affect how other medicines work.

> For more information about Oxbryta, please see the Full Prescribing Information and Patient Information, which is available from your presenter or by visiting www.Oxbryta.com

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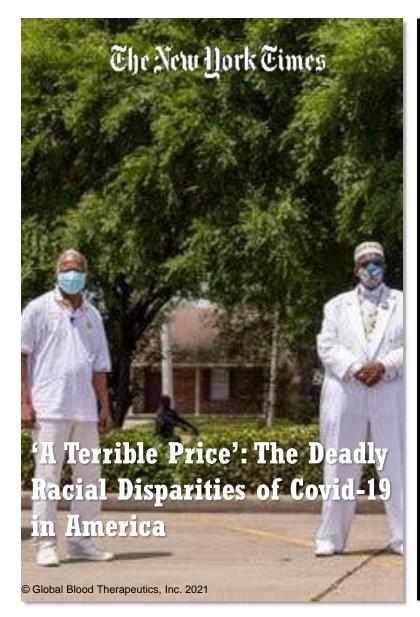
# OXBRYTA® INTERFERES IN THE SICKLING PROCESS REDUCING SICKLING AND IMPROVING RBC HEALTH

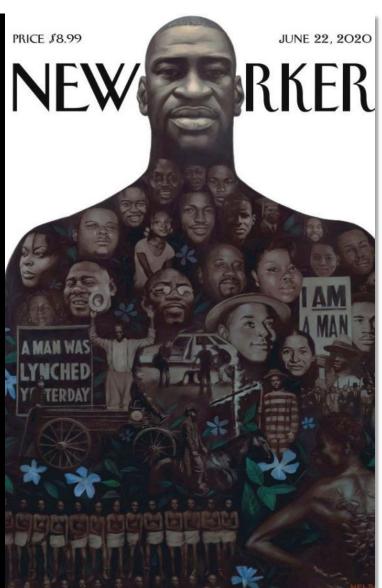


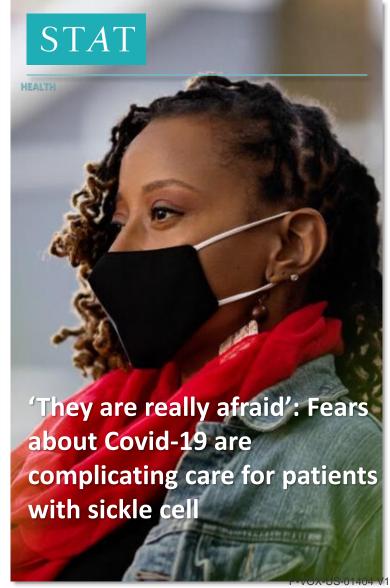
For more information about Oxbryta, please see the Full Prescribing Information and Patient Information, which is available from your presenter or by visiting <a href="https://www.Oxbryta.com">www.Oxbryta.com</a>

## **UNPRECEDENTED CHALLENGES**









## SCD COMMUNITY IS THE CENTER OF EVERYTHING WE DO



Engaging through clinical studies, access, and advocacy



Addressing long-standing inequities



Closing the knowledge gap



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## **ACCELERATING HIGHER QUALITY CARE IN SCD**



## Access to Excellent Care for Sickle Cell Patients (ACCEL) Grant Program 2021 Grantees





Improving the Transition from Pediatric to Adult Care for SCD Patients in Rural Areas of California



Increasing COVID-19 Vaccine Awareness in the SCD Community across the U.S.



Empowering SCD Patients to Educate Healthcare Providers about the Impact of Race and Healthcare Disparities



Connecting SCD Patients and Families with Health and Social Service Resources



Building a Collaborative Community Network to Mitigate Social Determinants of Health



Offering Disease Education and Improving Communication with Patients and Families



Improving Transitions from Pediatric to Adult Care



Helping SCD Patients Better Manage Pain with Palliative Care



Increasing Nurses' Theoretical and Clinical Expertise in the Care of SCD Patients



# IMPROVING THE HEALTH OF UNDERSERVED PATIENT COMMUNITIES WORLDWIDE



# THE GBT FOUNDATION



Supporting programs that aim to create meaningful and sustainable change

SCD education/awareness, empowerment, and access to care

Innovative solutions to improve healthcare equity

### **GBT COUNCIL FOR SCD HEALTHCARE EQUITY**



## Uniting SCD community leaders to create initiatives to improve SCD care, anchored in the broad vision of NASEM recommendations



Biree Andemariam, MD
Director, NE Sickle Cell Institute
University of Connecticut



**Beverly Francis-Gipson**President & CEO, Sickle Cell
Disease Association of America



Terry Jackson, PhD Jaxson Enterprises



Diane Nugent, MD
Chief, Hematology
Children's Hospital of Orange
County



Mattie Robinson
Micromattie Consulting



Wanda Whitten-Shurney, MD CEO, Michigan Chapter SCDAA



Latasha Lee, PhD, MPH
Vice President of Clinical and
Social Research &
Development NMQF



Betty Pace, MD

Tedesco Distinguished Chair,
Ped Hematology
Augusta University



Emma Andelson
Program Manager
Sick Cells



Matt Powers

Managing Director, MMS

Health Management Associates



Vice-CMO SCDAA



Mary Brown
President & CEO
Sickle Cell Disease Foundation



Charlotte Curtis
Founder, Sickle Cycle

## A DEEP COMMITMENT TO THE MISSION







## **Thank You**

